

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050190987"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 09:40
S2	24	SCHULZ-WALDEAN SCHULZ-WALDEAN-A	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 11:06
S3	151	"5309913"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 09:51
S4	48	"5273039"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 09:54
S5	5	"5648877"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 10:05
S6	19	"4532548"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/23 10:05
S7	3	"6580557"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/26 14:18

## EAST Search History

S8	35	"4645347"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/26 14:19
S9	10	"6278847"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/26 14:20
S10	4	"6483952"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/26 14:21
S11	8	"6295392"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/07/26 14:21
S12	12	"4517599"	US-PGPUB; USPAT	OR	ON	2007/07/26 14:24
S13	1	"20020071177"	US-PGPUB; USPAT	OR	ON	2007/07/26 14:25
S14	32	"5502568"	US-PGPUB; USPAT	OR	ON	2007/08/20 09:08
S15	0	("2005/0190987").URPN.	USPAT	OR	ON	2007/08/20 09:12
S17	525	(382/312).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/08/20 15:05
S18	2	S17 AND metrology	US-PGPUB; USPAT	OR	ON	2007/08/20 15:03
S19	124706	((charge-coupled ADJ1 device) OR (charge\$3coupled ADJ1 device) OR CCD)	US-PGPUB; USPAT	OR	ON	2007/08/20 15:05
S20	0	("L3ANDL5").PN.	US-PGPUB; USPAT	OR	OFF	2007/08/20 15:05
S21	267	S17 AND S19	US-PGPUB; USPAT	OR	ON	2007/08/20 15:06

## EAST Search History

S25	328986	point WITH (source OR radiator OR energy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:39
S26	15	S21 AND S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:16
S27	473	(sub-pixel ADJ1 location) OR (sub\$2pixel ADJ1 location) OR (sub ADJ1 pixel ADJ1 location)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:18
S28	48665	shaped ADJ5 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:19
S29	5	S27 AND S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:20
S30	2349	S25 AND S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:21
S31	335	S30 AND S19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:22

## EAST Search History

S43	920318	(light-emitting ADJ1 diode) OR (light\$2emitting ADJ diode) OR (light ADJ1 emitting ADJ1 diode) OR LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:38
S45	32203	S43 AND S19	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:38
S47	45814	S43 AND S25	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:40
S48	3581	S43 AND S28	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:40
S52	468	S47 AND S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:42
S53	5081	S45 AND S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:46
S54	119	S53 AND S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 15:52

## EAST Search History

S55	1	S54 AND S27	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 16:10
S56	286	S45 AND S48	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/20 16:14
S57	13684	URA or (uniformly ADJ2 redundant ADJ2 aperture)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 11:07
S58	124823	((charge-coupled ADJ1 device) OR (charge\$3coupled ADJ1 device) OR CCD)	US-PGPUB; USPAT	OR	ON	2007/08/21 12:03
S59	920649	(light-emitting ADJ1 diode) OR (light\$2emitting ADJ diode) OR (light ADJ1 emitting ADJ1 diode) OR LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 12:03
S60	32234	S59 AND S58	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 12:03
S61	245	S57 AND S60	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 12:03
S62	12	("4595294"   "5196900"   "5499098"   "5502568"   "5640241").PN. OR ("6141104"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/08/21 13:09

## EAST Search History

S63	181	"4517599" "4532548" "4645347" "4240734" "9423647" "5502568" "5523809" "5640241" "5648877" "5657125" "6141104" "6278847" "6295392" "20020071177" "1219259" "6483952" "6580557" "20040188616" "20050190987" "7049594"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:39
S64	48678	shaped ADJ5 aperture	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:40
S65	5	S63 AND S64 AND (focus\$5 ADJ3 lens)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:49
S67	2	S63 AND S64 AND (bright\$5 SAME lens)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 16:55
S68	63	S60 AND S64 AND (bright\$5 SAME lens)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:07
S69	15	S60 AND S64 AND (bright\$5 WITH lens)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/21 17:25
S70	157	S60 AND S64 AND ((bright\$5 OR illumin\$9) WITH lens)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 14:04

## EAST Search History

S71	7	"6808114"	US-PGPUB; USPAT	OR	ON	2007/08/22 11:35
S72	242	"4517599" "4532548" "4645347" "4240734" "9423647" "5502568" "5523809" "5640241" "5648877" "5657125" "5814803" "6141104" "6278847" "6295392" "20020071177" "1219259" "6483952" "6580557" "6704140" "20040188616" "6808114" "20050190987" "7049594"	US-PGPUB; USPAT	OR	ON	2007/08/22 11:53
S73	279	"4517599" "4532548" "4645347" "4240734" "9423647" "5502568" "5523809" "5640241" "5648877" "5657125" "5814803" "6141104" "6278847" "6295392" "20020071177" "1219259" "6483952" "6580557" "6704140" "20040188616" "6808114" "20050190987" "7049594"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 11:54
S74	124823	((charge-coupled ADJ1 device) OR (charge\$3coupled ADJ1 device) OR CCD)	US-PGPUB; USPAT	OR	ON	2007/08/22 11:54
S75	920649	(light-emitting ADJ1 diode) OR (light\$2emitting ADJ diode) OR (light ADJ1 emitting ADJ1 diode) OR LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 11:54
S76	32234	S75 AND S74	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 11:54
S77	3	S73 AND S76 AND (retro-reflector OR (retro ADJ5 reflector))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 09:45
S78	4	S73 AND S76 AND (diffrac\$8 SAME blur\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:00

## EAST Search History

S79	184	S76 AND (diffrac\$8 SAME blur\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 12:01
S80	43	S79 AND grati\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/22 14:05
S81	280	"4517599" "4532548" "4645347" "4240734" "9423647" "5502568" "5523809" "5640241" "5648877" "5657125" "5814803" "6141104" "6278847" "6295392" "20020071177" "1219259" "6483952" "6580557" "6704140" "20040188616" "6808114" "20050190987" "7049594"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 09:45
S82	125075	((charge-coupled ADJ1 device) OR (charge\$3coupled ADJ1 device) OR CCD)	US-PGPUB; USPAT	OR	ON	2007/08/23 09:45
S83	921325	(light-emitting ADJ1 diode) OR (light\$2emitting ADJ diode) OR (light ADJ1 emitting ADJ1 diode) OR LED	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 09:45
S84	32328	S83 AND S82	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 09:45
S87	8	S81 AND S84 AND (retro-reflector OR (retro ADJ5 reflector) OR retro\$3reflect\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/08/23 09:47